



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ATTY. DOCKET NO. 86177-79

In re Patent Application of Richard S. NORMAN

Serial No. 10/677,292

Group Art Unit:

Filed: October 3, 2003

Examiner:

For: **METHOD AND APPARATUS FOR COOLING MICROELECTRONIC COMPLEXES
INCLUDING MULTIPLE DISCRETE FUNCTIONAL MODULES**

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This information disclosure statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first official action on the merits and therefore applicant respectfully requests consideration under 37 CFR 1.97(b).

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO 1449.

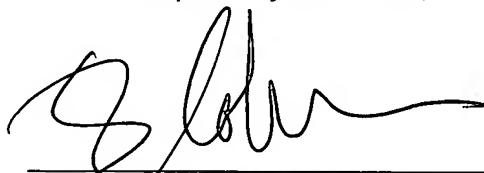
In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:

- i) each foreign patent;
- ii) each publication or that portion which caused it to be listed; and
- iii) all other information or that portion which caused it to be listed, excluding any copies of a United States patent or patent application.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 19-2550.

Respectfully submitted,



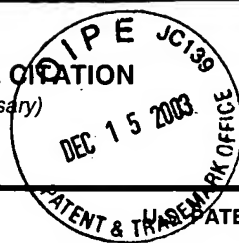
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Encls.: Form PTO-1449
All references listed on Form PTO-1449
Acknowledgement Card

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



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PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1.	US 4,558,395	12-10-1985	Yamada et al.			
	2.	US 5,036,384	07-30-1991	Umezawa			
	3.	US 5,737,171	04-07-1998	Buller et al.			
	4.	US 6,014,313	01-11-2000	Hesselbom			
	5.	US 6,127,725	10-03-2000	Harris			
	6.	US 6,176,299 B1	01-23-2001	Hanzlik et al.			
	7.	US 6,213,194 B1	04-10-2001	Chrysler et al.			
	8.	US 6,281,120 B1	08-28-2001	Strnad			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	9.	JP 61172358 A2	08-04-1986	Japan (Abstract only)				
	10.	JP 62072148 A	04-02-1987	Japan (Abstract only)				
	11.	JP 2184061 A2	07-18-1990	Japan (Abstract only)				
	12.	JP 4250698 A2	09-07-1992	Japan (Abstract only)				
	13.	JP 2000299360 A2	10-24-2000	Japan (Abstract only)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	14.	EP 0 820 098 A2	01-21-1998	Europe				
	15.	EP 1 150 330 A2	10-31-2001	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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DATE CONSIDERED

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